McDonnell Douglas Corporation St. Charles, Missouri Tract V

Emissions from Insignificant Activities Reported on Form OP-C03

Emissions from the following sources were determined by emission calculations or evaluated using best engineering judgment. The actual annual emission rates were estimated to be less than the Emission Inventory Questionnaire (EIQ) reportable level (i.e., <0.10 tons/year). Since emissions from these sources are extremely low, they are all being reported as "<0.10 tons/year" on the following forms. A dash, "-", shown by each pollutant indicates that the pollutant is not emitted from the source.

Emission calculations and source evaluations are not included in this application. However, this information can be made available to the agency upon request.

MCDONNELL DOUGLAS CORPORATION St. Charles, Missouri Tract V

Nomenclature for Emission Unit Numbers and EIQ Emission Point Numbers

Abbreviation	Description
AS	Adhesive / Sealant
BF	Building Fugitive
CC	Cold Cleaner
CL	Coating Line
CS	Combustion Source
CT	Cooling Tower
CU	Composite Usage
DP	Depainting Operations
EG	Emergency Generator
HS	Heat Sealer
HW	Hazardous Waste
LH	Lab Hood
MB	Mixing Booth
MC	Chemical Depainting
MP	Paint Mixing
MS	Miscellaneous Activity
MT	Miscellaneous Tank (non-fuel storage tank)
OV	Oven
PF	Packaging Foam System
ΡΙ	Penetrant Inspection Line
PT	Process Tank
SB	Spray Booth
SP	Storage Pile
ST	Storage Tank
VD	Vapor Degreaser
VR	Vehicle Refueling
VS	Misc. Vented Work Area (various solvents)
WW	Waste Water Treatment
Evo	mple: SB-598-01 Spray Booth in Building 598

ORM OP - CU	3 LIST OF INSIGNIFICANT A	CHVIIIES		Section
Facility Name		County No.	Plant No.	Year Submitted
McDonnell Doug	glas Corporation	4160	0010	1997
_ 			Pollutant(s)	Estimated Emissions
Emission Unit No.	Number of Activities (Grouped)	Number of Activities (Grouped)		(Tons/Yr)
CS-STC-01	Approximately 87		PM ₁₀	See Note
•	Description of Activity		so _x	44
	Combustion Equipment	NO _x	"	
	(natural gas fired) (less than 10 MMBtu/hr)		voc	66
	(1000 and 100		со	16
			Lead	<0.10
Note: Emissions	are reported in annual Emission Inventory Q	Questionnaire (EIQ)	HAPs	<0.10
report. (See Emi March 24, 1997.)	ission Point Id No. CS-STC-01 of 1996 EIQ su	bmitted	Other	-
			l	
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
LH-STC-01	01 6		PM ₁₀	-
	Description of Activity		so _x	-
	Lab Hoods		NO _x	-
	(no longer in use)	(no longer in use)		<0.10
			со	-
			Lead	-
			HAPs	<0.10
Note: The HAP e	mission rate is included in the VOC emission	rate.	Other	-
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
LH-STC-02	5		PM ₁₀	-
	Description of Activity		SO _x	•
	Electronics Lab Hoods		NO _x	
			voc	<0.10
			со	-
		×	Lead	-
			HAPs	<0.10
te: The HAP e	emission rate is included in the VOC emission	n rate.	Other	1=0
MO 780-1519 (R	REV. April 11, 1996) Du	plicate this form a	s needed	Page C0

FO	RM	OP	- C	U3

LIST OF INSIGNIFICANT ACTIVITIES

Section C

FORIVI OF -	COS LIST OF INSIGNIFICANT A	CHVITIES		Section C
Facility Nam		County No.	Plant No.	Year Submitted
	Douglas Corporation	4160	0010	1997
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
MS-STC-01	4	·	PM ₁₀	-
	Description of Activity		so _x	-
	Heat Sealers		NO _x	-
			voc	<0.10
		со	•	
		Lead	-	
		HAPs	<0.10	
Note: The HA	AP emission rate is included in the VOC emission	rate.	Other	-
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
MS-STC-02	02 2		PM ₁₀	-
	Description of Activity		so _x	
	Bench Scale Wire ID Markers		NO _x	-
	(use heated foil)		voc	<0.10
			со	-
			Lead	-
			HAPs	<0.10
Note: The HA	P emission rate is included in the VOC emission i	rate.	Other	-
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
MT-598-01	1		PM ₁₀	-
-	Description of Activity		SO _x	-
	Cutting Fluid Emissions		NO _x	-
(from milling operations and storage tanks)			voc	<0.10
			со	-
			Lead	-
			HAPs	<0.10
Note: The HA	P emission rate is included in the VOC emission (rate.	Other	-
10 700 4540	(DEV April 44 4006) Dural	ingto this forms		Dama 002

OKIN OF - O	55 LIST OF INSIGNIFICANT A	OTIVITIES		Section (
Facility Name		County No.	Plant No.	Year Submitted
	glas Corporation	4160	0010	1997
			Pollutant(s)	
Emission Unit No.				Estimated Emissions (Tons/Yr)
OV-598-05	1		PM ₁₀	-
	Description of Activity	SO _x	-	
	Oven		NO _x	-
	(to shrink thermofit)	voc	<0.10	
		со	-	
		Lead	-	
		HAPs	<0.10	
Note: The HAP e	mission rate is included in the VOC emission r	ate.	Other	-
			I	T
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
PF-STC-01	TC-01 2			-
	Description of Activity		so _x	-
	Packaging Foam Systems		NO _x	-
			VOC	<0.10
			СО	_
			Lead	•
			HAPs	<0.10
Note: The HAP e	mission rate is included in the VOC emission i	rate.	Other	-
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
PT-STC-01	4		PM ₁₀	-
	Description of Activity		SO _x	-
	Process Tanks		NO _x	<0.10
	(i.e., cleaning, etching, etc.)		voc	<0.10
£5			со	-
			Lead	-
	emission rate is included in the VOC emission ollutants Emitted" includes Sulfuric Acid, Nitri		HAPs	<0.10
and Fluorides.			Other (See Note 2)	<0.10

ORM OP -	C03 LIST OF INSIGNIFICANT			Section
Facility Name ***Donnell Douglas Corporation		County No. 4160	Plant No. 0010	Year Submitted 1997
				T
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
SP-STC-01	3		PM ₁₀	<0.10
	Description of Activity	so _x		
	Covered Salt Piles	NO _x		
			voc	-
		6	СО	-
			Lead	-
			HAPs	-
			Other	-
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
ST-STC-02	3		PM ₁₀	0.
	Description of Activity		so _x	-
	Diesel Above Ground Storage Tanks		NO _x	-
			voc	<0.10
			СО	
			Lead	-
			HAPs	<0.10
Note: The HA	AP emission rate is included in the VOC emission	n rate.	Other	-
				1
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
ST-STC-03	1		PM ₁₀	•
	Description of Activity		SO _x	-
	Rocket Fuel Underground Storage Tar	nk	NO _x	•
			voc	<0.10
			СО	-
			Lead	-

HAPs

Other

<0.10

te: The HAP emission rate is included in the VOC emission rate.

FO		9.4	0		. 1	~	n	2
FO	ĸ	M	U	г	- 1	0	u	3

LIST OF INSIGNIFICANT ACTIVITIES

Section C

Facility Name		County No. 4160	Plant No. 0010	Year Submitted 1997
				1
Emission Unit No.	2011 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			Estimated Emissions (Tons/Yr)
ST-STC-04	2		PM ₁₀	
11	Description of Activity		so _x	-
	Fuel Oil No. 2 Underground Storage Tank	s	NO _x	-
,		voc	<0.10	
			со	
			Lead	-
			HAPs	<0.10
Note: The HAF	emission rate is included in the VOC emission	Other	-	
Emission Unit No.	Number of Activities (Grouped)			Estimated Emissions (Tons/Yr)
VR-STC-01	2		PM ₁₀	-
	Description of Activity	so _x	-	
Vehicle Refueling Operations			NO _x	-
	(gasoline and diesel used)		voc	<0.10
			СО	-
			Lead	-
			HAPs	<0.10
Note: The HA	P emission rate is included in the VOC emission	rate.	Other	-
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emission (Tons/Yr)
VS-598-02	1		PM ₁₀	-
	Description of Activity		SO _x	#0
	20001.pa.o 0111.0	Vented Room		
	Vented Room		NO _x	-
			NO _x	<0.10
	Vented Room			
	Vented Room	×	VOC	<0.10
	Vented Room	æ	voc	<0.10

ORM OP - Facility Nam		County No.	Plant No.	Year Submitted
	ouglas Corporation	4160	0010	1997
)	3			
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
VW-598-01	1		PM ₁₀	-
	Description of Activity		so _x	-
	Waste Water Treatment Facility	NO _x	-	
	(for process tanks)		voc	<0.10
			СО	-
			Lead	•
Note 1: The I	-IAP emission rate is included in the VOC emissio	HAPs	<0.10	
	er Pollutants Emitted" includes Sulfuric Acid, Nitr	Other (See Note 2)	<0.10	
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emissions (Tons/Yr)
			PM ₁₀	
	Description of Activity		so _x	
7	•		NO _x	
			voc	
			СО	
			Lead	
			HAPs	
			Other	
				1
Emission Unit No.	Number of Activities (Grouped)		Pollutant(s) Emitted	Estimated Emission (Tons/Yr)
			PM ₁₀	
	Description of Activity		SO _x	
			NO _x	
			voc	
			СО	
		4	Lead	
			HAPs	
			Other	
	9 (REV. April 11, 1996) Duj	olicate this form		Page C

ORM OP - D01	EXISTING PLANT-WIDE P	Section D					
Facility Name		County No.	Plant No.	Year Submitted			
Donnell Douglas Co	orporation	4160	0010	1997			
Please list in the space (i.e., Production is limi	e provided below any permit condited to 10,000 units per 12 month r	itions which are current olling average, or a limi	ly applicable on a t on the facility's h	plant-wide basis: ours of operation.)			
Permit No.		Applicable Permit Condition					
N.A.		NONE					
			,				
				<u>. </u>			
Permit No.	Compliance Demonstration Method	Describe	Method and Give I	Reference			
N.A.	N.A.		N.A.				

Facility Name County No. Plant No. Year Submitted Ponnell Douglas Corporation Permit No. Applicable Permit Condition N.A. NONE Permit No. Compliance Demonstration Permit No. N.A. N.A. N.A. N.A. N.A. N.A. N.A.	FORM OP - D02	PROPOSED PLANT-WIDE	PERMIT CONDITION	DNS	Section D
Permit No. Compliance Demonstration Method Describe Method and Give Reference	Facility Name		County No.	Plant No.	Year Submitted
(i.e., Production is limited to 10,000-units per 12 month rolling average, or a limit on the facility's hours of operation.) Permit No. Applicable Permit Condition N.A. NONE	Ponnell Douglas Cor	rporation	4160	0010	1997
N.A. NONE	riease list in the space (i.e., Production is limite	provided below any permit condi- ed to 10,000 units per 12 month ro	tions which are current olling average, or a limi	ly applicable on a t on the facility's h	plant-wide basis: ours of operation.)
Permit No. Compliance Demonstration Method Describe Method and Give Reference	Permit No.		Applicable Permit Con	dition	
Permit No. Method Describe Method and Give Reference	N.A.		NONE		
	Pormit No.		Describe	Method and Give F	Reference
			20001120		

Facility Name			County No.	Flatit NO.	Teal Sublituted
Donnell Douglas Corporation			4160	0010	1997
⊨mission Point No.	Emiss	ion Unit No.		Classification Code (SCC)	
BF-STC-03			888-01 (primary and alternate operating scenario)		
1. Emission Unit(s) Infor	mation				
Description O	f Unit(s)		facturer, Model N e Of Manufacture		Maximum Design Rate/Capacity
Facility-wide hand-wip	e cleaning subject	t	N.A.	,	N.A.
to Aerospace NESHAP	. 40 CFR Subpart				
GG and 10 CSR 10-6.07	75 MACT				
regulations.					
		_			_
		-			_
Will this unit be operated	l under an alterna	te operating	scenario?		Total Maximum DesignRate/Capacity
Yes: / No:			omplete a separat for each scenario		
2. Alternate Operating S	cenario (Flexibility	()			
Alternate Scenario ID:			SIC Code As	sociated witl	n Scenario:
	BF-01				3721
Description				*4.5	
Rather than comply wi					
					ed alternative compliance
) of the federal Act and
EPA approval.					,
Use FORM OP - F01 or the Scenarios.	ne back of this pag	ge if addition	al space is neede	d for multiple	Alternate Operating
3. Voluntary Permit Con	ditions for reduci	ng potential e	missions, conditior	ns will become	federally enforceable.
Condition(s) Requested	Descr	ription		Limitation	Pollutant Controlled
N.A.	N.	Α.		N.A.	N.A.
)					Dama Daga
โขเป 780-1519 (REV. April	11, 1996)	D	uplicate this form	as needed	Page D03-

EMISSION UNIT INFORMATION

Section D

FORM OP - D03

Facility Name		County No.	Plant No.	Year Submitted
Donnell Douglas Corporation		4160	0010	1997
Linission Point No.	Emission Unit No.		Source Cla	assification Code (SCC)
See Table D03-1	See Ta	able D03-1	4-02-009-31	spray booths maskant lines (perc.)
			4-02-009-01	maskant line (waterbased)
1. Emission Unit(s) Information				
Description Of Unit(s)		facturer, Model Note Of Manufacture	o., Stack	Maximum Design Rate/Capacity
All coating lines used in aerospa	ice S	ee Table D03-1		N.A.
production. (See Table D03-1)			_	
Will this unit be operated under an	alternate operating	scenario?		Total Maximum
Win and ame so operated and an			I .	DesignRate/Capacity
Yes: ✓ No:	If Yes, you must co			N.A.
		TOT EACH SCENATIO	<u>'</u>	
2. Alternate Operating Scenario (F	lexibility)	ISIC Code Ass	sociated with Sc	onario:
ernate Scenario ID:		SIC Code As	372	
Description				
This alternate operating scenario	o is being requested	to allow the use o	f any combination	on of primers or topcoats,
such that the monthly volume-w				
or topcoats complies with the s				
40 CFR 63.743 (d).	<u> </u>			
This alternate operating scenari	o would be available	only after the effe	ctive date of any	revision to
10 CSR 10-5.330 under which su	ich averaging is allo	wable. Such a rev	ision to 10 CSR 1	0-5.330 would be
permissible, but not required, un	nder the Aerospace I	NESHAP and the A	erospace CTG.	
Use FORM OP - F01 or the back of thi	s page if additional sp	ace is needed for m	ultiple Alternate O	perating Scenarios.
3. Voluntary Permit Conditions for n	educing potential emissi	ons, conditions will be	ecome lederally enf	aceable
Condition(s) Requested	Description		Limitation	Pollutant Controlled
N.A.	N.A.		N.A.	N.A.
N.A.	N.A.		11.73.	
				D D.00
780-1519 (REV. April 11, 1996)	Di	uplicate this form	as needed	Page D03-2

EMISSION UNIT INFORMATION

Section D

FORM OP - D03

MCDONNELL DOUGLAS CORPORATION

St. Charles, Missouri Tract V

Table D03-1: Alternate Operating Scenario for Coating Lines (Aerospace Production)

EIQ Emission Point No.	Emission Unit No.	Description	Manufacturer/Model No./ Date of Manufacture	Stack No.
CL-STC-01	SB-598-01	Spray Booth (Aerospace Production)	Unknown	SB-598-01
CL-STC-01	SB-598-02	Spray Booth (Aerospace Production)	Unknown	SB-598-02
CL-STC-01	SB-598-03	Spray Booth (Aerospace Production)	Unknown	SB-598-03
CL-STC-01	SB-598-04	Spray Booth (Aerospace Production)	Unknown	SB-598-04
CL-STC-01	SB-598-05	Spray Booth (Aerospace Production)	Unknown	SB-598-05
CL-STC-01	SB-598-06	Bench Spray Booth (Aerospace Production) (Non-Aerospace NESHAP primers/topcoats)	Unknown	SB-598-06
CL-STC-01	SB-598-07	Bench Spray Booth (Aerospace Production) (Non-Aerospace NESHAP primers/topcoats)	Unknown	SB-598-07
CL-STC-01 SB-598-08		Conformal Coating Booth (Aerospace Production)	Unknown	SB-598-08
CL-STC-01	MB-598-01	Mixing/Touch-Up Booth (Aerospace Production) (Non-Aerospace NESHAP primers/topcoats)	Unknown	MB-598-01
CL-STC-01	SB-599-01	Paint Booth (Aerospace Production)	Unknown	SB-599-01

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EIQ Point Number	Emission Unit Number	Applicable Requirement	Form OP-D04 Page #	Form OP-D05 Page #
N.A.	Plantwide	40 CFR Part 61.145 Subpart M	D04F-1	D05F-1
N.A.	Flantwide	10 CSR 10-6.080	D04F-1	D05F-1
N.A.	Plantwide	40 CFR Part 70	D04F-2	D05F-2
N.A.	Fiantwide	10 CSR 10-6.065	D04F-2	D05F-2
N.A.	Plantwide	40 CFR Part 82, Subpart A	D04F-3	D05F-3
N.A.	Fiantwide	40 CFR Part 82, Subpart B	5041-5	D05F-4
		40 CFR Part 82, Subpart C		
NI A	Plantwide	40 CFR Part 82, Subpart E	D04F-4	D05F-5
N.A.	Plantwide	40 CFR Part 82, Subpart F	D041-4	D05F-6
NT A	Plantwide	40 CFR Part 82, Subpart G	D04F-5	D031-0
N.A.	Plantwide	10 CSR 10-5.070	D04F-6	D05F-7
		10 CSR 10-5.070	D04F-7 and D04F-8	D05F-8 and D05F-8/
N.A.	Plantwide	10 CSR 10-5.090	D04F-9	D05F-9
N.A.	Plantwide Plantwide	10 CSR 10-5.100	D04-10	D05F-10
N.A.		10 CSR 10-5.110	D04-10	D05F-10
N.A.	Plantwide	10 CSR 10-5.130	D04F-11 D04F-12	
N.A.	Plantwide		D04F-12 D04F-13	D05F-12
N.A.	Plantwide	10 CSR 10-6.110	D04F-13	D05F-12 D05F-13
N.A.	Plantwide	10 CSR 10-6.130	D04F-14	D03r-13
N.A.	Plantwide	10 CSR 10-6.150	D04F-15	D05F-14
N.A.	Plantwide	10 CSR 10-6.180	D04F-15 D04S-1	
N.A.	Plantwide	10 CSR 10-5.160		D05S-1
N.A.	Plantwide	10 CSR 10-5.450	D04S-2	D05S-2
N.A.	Plantwide	10 CSR 10-6.050	D04S-3	D05S-3
N.A.	Plantwide	10 CSR 10-6.170	D04S-4	D05S-4
N.A.	Plantwide	10 CSR 10-6.240	D04S-5	D05S-5
N.A.	Plantwide	10 CSR 10-6.250	D04S-5	D05S-6
N.A.	Plantwide	10 CSR 10-6.260	D04S-6	D05S-7 thru D05S-9
AS-STC-01	MS-598-20	No Emission Unit Specific Applicable Requirement	D04F-24	
AS-STC-01	OV-598-13	No Emission Unit Specific Applicable Requirement	D04F-24	
AS-STC-01	OV-598-14	No Emission Unit Specific Applicable Requirement	D04F-24	
AS-STC-01	OV-598-15	No Emission Unit Specific Applicable Requirement	D04F-24	
AS-STC-01	OV-598-17	No Emission Unit Specific Applicable Requirement	D04F-24	
AS-STC-01	OV-598-18	No Emission Unit Specific Applicable Requirement	D04F-24	
AS-STC-01	OV-598-21	No Emission Unit Specific Applicable Requirement	D04F-24	
BF-STC-02	P1-598-01	No Emission Unit Specific Applicable Requirement	D04F-24	
BF-STC-03	BF-STC-03	40 CFR Part 63, Subpart GG	D04F-17	D05F-15
		10 CSR 10-6.075	D04F-17	D05F-15
BF-STC-03	MS-598-13	No Emission Unit Specific Applicable Requirement	D04F-24	
BF-STC-03	VS-598-01	No Emission Unit Specific Applicable Requirement	D04F-24	
CC-STC-01	CC-STC-01	40 CFR Part 63 Subpart GG	D04F-17	D05F-16
	1	10 CSR 10-6.075	D04F-17	D05F-16
		10 CSR 10-5.300	D04F-17	D05F-17
CC-STC-01	CC-506-01	10 CSR 10-5.300	D04F-17	D05F-17
CC-STC-01	CC-506-02	10 CSR 10-5.300	D04F-17	D05F-17
CC-STC-01	CC-506-03	10 CSR 10-5.300	D04F-17	D05F-17
CC-STC-01	CC-598-01	10 CSR 10-5.300	D04F-17	D05F-17
CC-STC-01	CC-598-02	10 CSR 10-5.300	D04F-17	D05F-17
	1	10 CSR 10-6.060,	D04F-17	D05F-18
		Construction Permit 0396-014	D04F-17	D05F-18
CC-STC-01	CC-598-03	10 CSR 10-5.300	D04F-18	D05F-17
		10 CSR 10-6.060,	D04F-18	D05F-18
		Construction Permit 0396-014	D04F-18	D05F-18
CC-STC-01	CC-598-04	10 CSR 10-5.300	D04F-18	D05F-17

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EIQ Point Number	Emission Unit Number	Applicable Requirement	Form OP-D04 Page #	Form OP-D05 Page #
CC-STC-01	CC-598-05	10 CSR 10-5.300	D04F-18	D05F-17
CL-STC-01	MB-598-02	No Emission Unit Specific Applicable Requirement	D04F-24	
CL-STC-01	OV-598-06	No Emission Unit Specific Applicable Requirement	D04F-24	
CL-STC-01	OV-598-08	No Emission Unit Specific Applicable Requirement	D04F-24	
CL-STC-01	OV-598-09	No Emission Unit Specific Applicable Requirement	D04F-24	
CL-STC-01	OV-598-10	No Emission Unit Specific Applicable Requirement	D04F-24	
CL-STC-01	OV-598-11	No Emission Unit Specific Applicable Requirement	D04F-24	
CL-STC-01	OV-598-16	No Emission Unit Specific Applicable Requirement	D04F-24	
CL-STC-01	OV-598-32	No Emission Unit Specific Applicable Requirement	D04F-24	
CL-STC-01	SB-598-01	40 CFR Part 63, Subpart GG	D04F-18	D05F-19 and D05F-20
		10 CSR 10-6.075	D04F-18	D05F-19 and D05F-20
		10 CSR 10-5.050	D04F-18	D05F-21
		10 CSR 10-5.330	D04F-18	D05F-22
	- 12	10 CSR 10-6.060,	D04F-26 and D04F-27	D05F-36
		Construction Permit 0396-022	D04F-26 and D04F-27	D05F-36
		40 CFR Part 63, Subpart GG (Alternate Operating Scenario)		D05F-38
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		10 CSR 10-5.330	D04F-19	D05F-22
		10 CSR 10-6.060,	D04F-26 and D04F-27	D05F-36
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		10 CSR 10-5.330	D04F-21	D05F-22
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ORM OP -		APPLICABLE REQUIREMENTS		DERALLY ENFORCE	
acility Nam			County No.	Plant No.	Year Submitted
CDonnell D	ouglas Corpo	ration	4160	0010	1997
. Applicabl	e Requiremen	ts (federal, state and local regulations	plus any federally enforceat	le permit conditions)	
Emission Point/Unit	Pollutant	Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.)	Emission Limit or and Units		Compliance Determination Method (Testing, Monitoring, etc.)
Plant	Asbestos	40 CFR Part 61 Subpart M	Rule establishes notificat	ion and work	For each asbestos project,
-wide		National Emission Standards	standards for demolition	and renovation	McDonnell Douglas Corporation
		for Hazardous Air Pollutants	projects.		abides by the requirements
		61.145, 61.150, 61.152, 61.153			of the rule and complies with
		10 CSR 10-6.080 (Adopts by	·		proper disposal practices by
		reference Subpart M as of			using only certified asbestos
		July 1, 1988)			abatement contractors.

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APPLICABLE REQUIREMENTS

FEDERALLY ENFORCEABLE

Section

Facility Nam	ne		County No.	Plant No.		Year Submitted
-	Douglas Corpo	ration	4160	0010		1997
4. Applicab	le Requiremen	ts (federal, state and local regulations	plus any federally enforceable	permit conditions)		
Emission Point/Unit	Pollutant	Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.)	Emission Limit or S and Units	tandard	(Te	ance Determination Method esting, Monitoring, etc.)
Plant	Part 70	40 CFR Part 70	Requires operating permit	for any		nell Douglas has prepared
-wide	Pollutants	State Operating Permit	facility meeting the require	ments of		omitted a Title V operating
		Programs	40 CFR Part 70.3(a) and 10	CSR 10-6.065.		application and will
		10 CSR 10-6.065				ie to do so every five years
		Operating Permits Required				therwise required by
					regulat	ion.
						
						<u> </u>

FORM OP - D04 APPLICABLE REQUIREMENTS

FEDERALLY ENFORCEABLE

Section D

Facility Nam	ne		County No.	Plant No.	Year Submitted
McDonnell I	Douglas Corpora	tion	4160	0010	1997
4. Applicab	le Requirements	(federal, state and local regulation	s plus any federally enforc	eable permit condition	s)
Emission Point/Unit	Pollutant	Applicable Requirement Authority	Emission Limit and Ui		Compliance Determination Method (Testing, Monitoring, etc.)
Plant -wide	Ozone Depleting Substances	40 CFR Part 82, Subpart A Protection of Stratospheric Ozone	Rule establishes recor requirements for ozon substances (ODS) exp	e depleting	Ozone depleting substances exports are reported to EPA on a corporate basis.
		82.13			
		40 CFR Part 82, Subpart B	Rule requires work pra	ictices, use of	Garage employee training,
		Servicing of Motor Vehicle	approved recycling eq	uipment, and	certification, and equipment
		Air Conditioners	certified technicians.		records are retained on site.
		40 CFR Part 82, Subpart C	No person may sell or	distribute in	Ozone depleting substances (ODS)
		Ban on Nonessential	interstate commerce a	ny of the products	products included in aircraft and
		Products Containing Ozone	identified in this subpa	art.	aircraft repair kits are screened
·		Depleting Substances			against Subpart C lists and rule
					revisions.
					

acility Nam	е		County No.	Plant No.	1	Year Submitted
	ouglas Corporat		4160	0010		1997
Applicabl	e Requirements	(federal, state and local regulation	s plus any federally enforceable	permit conditions)		100000
Emission Point/Unit	Pollutant	Applicable Requirement Authority	Emission Limit or S and Units	tandard	•	iance Determination Method esting, Monitoring, etc.)
Plant -wide	Ozone Depleting	40 CFR Part 82, Subpart E Labeling of Products Using	Labeling: Rule requires the labeling of	of products	McDonn	ell Douglas complies with
	Substances	Ozone Depleting	made with or containing Class I ozone		the label	ling requirements by:
		Substances 82.102, 82.106,	depleting substances. It al	·	•	ding warning statements on
		82. 108, and 82.110	that containers containing		or accompanying the final product	
			Class II substances be labe	led.	delivery documentation, and	
					2) including warning statements	
			Products made with or con	taining Class II	on ozon	e depleting substances
			ozone depleting substance	s must be	sent off-	site for reclamation, etc.
			labeled, starting Jan. 1, 201	5, or earlier if		
			if EPA promulgates earlier	labeling under		
			Section 611 Clean Air Act.			
		40 CFR Part 82, Subpart F	Rule requires work practice	es, use of	Refriger	ant additions are tracked
		Ozone Depleting	approved recycling equipm	ent, certified	per unit,	loss rates determined,
		Substances Recycling and	technicians, refrigerant los	s limits, and	repair or	replacement initiated,
		Emission Reduction,	repair or replacement.		recycling	g equipment and technician
		Appliances			certificat	tion records retained.

FEDERALLY ENFORCEABLE

Section D

Facility Nam	ne		County No.	Plant No.	Year Submitted
McDonnell I	Douglas Corpora	tion	4160	0010	1997
4. Applicab	le Requirements	(federal, state and local regulation:	s plus any federally enforc	eable permit conditions,	
Emission Point/Unit	Pollutant	Applicable Requirement Authority	Emission Limit and Ui		Compliance Determination Method (Testing, Monitoring, etc.)
Plant	Ozone	40 CFR Part 82, Subpart G	No person may use an	ozone depleting	Refrigerants, fire suppressants,
-wide	Depleting	Ozone Depleting	substances substitute	which he knows or	and cleaning solvents used by
	Substances	Substances Significant New	has reason to know w	as manufactured,	McDonnell Douglas are screened
		Alternative Policy (SNAP)	processed, or importe	d in violation of	against SNAP rule and revisions.
			a use restriction descr	ibed in Subpart G.	
	\				
	1				

Facility Nam	ne Douglas Corp	poration	County No. 4160	Plant No. 0010	Year Submitted 1997
		ents (federal, state and local regulation	s plus any federally enfo	rceable permit conditi	ans) -
Emission Point/Unit	Pollutant	Applicable Requirement Authority (CSR#, CFR#, Permit No., etc.)	Emission Limit and U		Compliance Determination Metho (Testing, Monitoring, etc.)
Plant	*	10 CSR 10-5.070	Rule prohibits open b	urning of refuse	McDonnell Douglas Corporation
-wide		Open Burning Restrictions	except for certain spe	cified activities	does not conduct any open
			listed in Section(1)(E)	1-4.	burning restricted by this rule.

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit. You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

MO 780-1519 (REV. April 11, 1996)

Duplicate this form as needed

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* Rule does not regulate any specific pollutant.

ORM OP - D04	APPLICABLE	REQUIREMENTS
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FEDERALLY ENFORCEABLE

Section D

McDonnell Douglas Corporation 4. Applicable Requirements (federal, state and local regulations plus any federally enforceable permit conditions) Emission Pollutant Pollutant Opacity -wide Plant Opacity -wide Restriction of Emission of Visible Air Contaminants Pon membrane Pon membrane Pon membrane Restriction of Emission of Visible Air Contaminants Pon membrane Description Description Restriction of Emission of Visible Air Contaminants Pon membrane Description Descrip	Facility Nan			County No.	Plant No.		Year Submitted
Emission Politulant Pollutant Authority Emission Limit or Standard and Units Creating, Monitoring, etc.) Plant Opacity 10 CSR 10-5.090 For existing installations or equipment, the opacity must be less than 40% when PM emissions are less than 20%. Existing installations or equipment, the opacity must be less than 20%. Existing installations or equipment with more than 25 pounds/hr PM emissions are limited to less than 20% opacity. A person may discharge into the atmosphere from any single source of emission for a period (or periods) aggregating not more than six (6) minutes in any sixty (60) minutes air contaminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.]				4160	0010		1997
Point/Unit Pollutant Authority and Units (Testing, Monitoring, etc.) Plant Opacity 10 CSR 10-5.090 Restriction of Emission of Visible Air Contaminants Wisible Air Contaminants PM emissions are less than 25 pounds/hr. For new installations or equipment, the opacity must be less than 20%. Existing installations or equipment with more than 25 pounds/hr PM emissions are limited to less than 20% opacity. A person may discharge into the atmosphere from any single source of emission for a period (or periods) aggregating not more than six (6) minutes in any sixty (60) minutes air contaminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both	4. Applicable	Requirements	(federal, state and local regulations	plus any federally enforceable p	ermit conditions)		
The opacity must be less than 40% when PM emissions are less than 25 pounds/hr. For new installations or equipment, the opacity must be less than 20%. Existing installations or equipment with more than 25 pounds/hr PM emissions are limited to less than 20% opacity. A person may discharge into the atmosphere from any single source of emission for a period (or periods) aggregating not more than six (6) minutes in any sixty (60) minutes air contaminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both		Pollutant			tandard		
Visible Air Contaminants PM emissions are less than 25 pounds/hr. For new installations or equipment, the opacity must be less than 20%. Existing installations or equipment with more than 25 pounds/hr PM emissions are limited to less than 20% opacity. A person may discharge into the atmosphere from any single source of emission for a period (or periods) aggregating not more than six (6) minutes in any sixty (60) minutes air contaminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both	Plant	Opacity	10 CSR 10-5.090	For existing installations or	equipment,	Visual	observation and agency
For new installations or equipment, the opacity must be less than 20%. Existing installations or equipment with more than 25 pounds/hr PM emissions are limited to less than 20% opacity. A person may discharge into the atmosphere from any single source of emission for a period (or periods) aggregating not more than six (6) minutes in any sixty (60) minutes air contaminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both	-wide		Restriction of Emission of	the opacity must be less the	an 40% when	inspec	ction records.
opacity must be less than 20%. Existing installations or equipment with more than 25 pounds/hr PM emissions are limited to less than 20% opacity. A person may discharge into the atmosphere from any single source of emission for a period (or periods) aggregating not more than six (6) minutes in any sixty (60) minutes air con- taminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both			Visible Air Contaminants	PM emissions are less than	25 pounds/hr.		
installations or equipment with more than 25 pounds/hr PM emissions are limited to less than 20% opacity. A person may discharge into the atmosphere from any single source of emission for a period (or periods) aggregating not more than six (6) minutes in any sixty (60) minutes air con- taminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				For new installations or equ	uipment, the		1.00
25 pounds/hr PM emissions are limited to less than 20% opacity. A person may discharge into the atmosphere from any single source of emission for a period (or periods) aggregating not more than six (6) minutes in any sixty (60) minutes air contaminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				opacity must be less than	20%. Existing	-	
less than 20% opacity. A person may discharge into the atmosphere from any single source of emission for a period (or periods) aggregating not more than six (6) minutes in any sixty (60) minutes air contaminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				installations or equipment	with more than		
discharge into the atmosphere from any single source of emission for a period (or periods) aggregating not more than six (6) minutes in any sixty (60) minutes air contaminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				25 pounds/hr PM emissions	s are limited to		
single source of emission for a period (or periods) aggregating not more than six (6) minutes in any sixty (60) minutes air contaminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				less than 20% opacity. A p	erson may		
periods) aggregating not more than six (6) minutes in any sixty (60) minutes air contaminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				discharge into the atmosph	ere from any		
minutes in any sixty (60) minutes air contaminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				single source of emission f	or a period (or		
taminants of a shade or density not darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				periods) aggregating not m	ore than six (6)		
darker than 40% opacity. ["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				minutes in any sixty (60) m	inutes air con-		
["Existing" means in being, installed or constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				taminants of a shade or der	nsity not		
constructed on or before March 24, 1967. (St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				darker than 40% opacity.			
(St. Louis Metropolitan Area.)] ["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				["Existing" means in being	, installed or		<u> </u>
["New" means any source not classified as existing.] McDonnell Douglas Corporation has both				constructed on or before M	arch 24, 1967.		
as existing.] McDonnell Douglas Corporation has both				(St. Louis Metropolitan Are	ea.)]		
McDonnell Douglas Corporation has both		-		["New" means any source i	not classified		
				as existing.]			
"existing" and "new" emission sources.				McDonnell Douglas Corpor	ation has both	-	
				"existing" and "new" emiss	sion sources.		

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit.

You must attach a completed FORM OP - E01, "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

ORM OP - D04	APPLICABLE REQUIREMENTS

FFDFRALLY	ENFORCEABLE
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Plant No.

Year Submitted

Facility Nam	Oggas Corpora	ation	County No. 4160	Plant No.	Year Submitted 1997
1. Applicable	Requirements	federal, state and local regulations pl	lus any federally enforceable	permit conditions)	HANDER AND RESERVED AND RESERVED AND
Emission Point/Unit	Pollutant	Applicable Requirement Authority	Emission Limit or and Units		Compliance Determination Method (Testing, Monitoring, etc.)
Plant	Opacity	10 CSR 10-5.090	Owners or operators of a	ffected facilities	As of the effective date of
-wide		Restriction of Emission of	shall submit a plan for me	eeting the	10 CSR 10-5.090, McDonnell
		Visible Air Contaminants	requirements of this rule	to the director	Douglas Corporation met the
			within sixty (60) days of it	ts effective date	requirements of this rule and
		(Continued from previous	(October 24, 1976).		was not required to submit
		page)			a compliance plan.
		12.00			
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FO	RM	OP	_	D04

APPLICABLE REQUIREMENTS

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Section D

Year Submitted

McDonnell D	ouglas Corpora	ation (federal, state and local regulations)	4160	0010		1997
	Requirements	Applicable Requirement	Emission Limit or		Compl	iance Determination Method
Emission Point/Unit	Pollutant	Authority	and Units		(T	esting, Monitoring, etc.)
Plant	PM	10 CSR 10-5.100	Rule prohibits a person fr	om permitting		cy inspection records.
-wide		Preventing Particulate Matter	the handling, transportati	on, or storage of		nnell Douglas' activities of
		from Becoming Airborne	any material in a manner	that allows (or		pe are not a source of
			may allow) unnecessary a	mounts of	signif	icant airborne particulates,
			fugitive matter to become	airborne and	based	l on agency complaint logs
			which results in at least one (1) complaint		and o	bservation.
			from the director. Rule al	so requires that		
			reasonable methods are a	applied during		
	<u> </u>		construction, use, repair,	and	-	
			demolition of buildings, r	oads, driveways,		
			or open areas to prevent	fugitive		
			particulate matter from be	ecoming		
			airborne.			
						

FORM OP - D04	
-136191136 - 13034	

APPLICABLE REQUIREMENTS

FEDERALLY ENFORCEABLE

Section D

Facility Name	ouglas Corpora	ation	County No. 4160	Plant No. 0010	Year Submitted 1997	
l. Applicable	Requirements	(federal, state and local regulations	plus any federally enforceable	permit conditions)	(100 CD)	
Emission Point/Unit	Pollutant	Applicable Requirement Authority	Emission Limit or and Units		Compliance Determination M (Testing, Monitoring, etc	
Plant	SO ₂	10 CSR 10-5.110 (3) and (4)	(3) For installations with	a capacity of	See compliance determination	on for
-wide		Restriction of Emission of	less than 2,000 million Bt	u/hour:	10 CSR 10-6.260, Restriction	
		Sulfur Dioxide for Use of	Between the months of O	ctober and	Emissions of Sulfur Compo	unds.
		Fuel	March of each year no "p	erson" shall	Compliance with this rule	
			permit the burning of coa	ıl or fuel oil	satisfies the requirements o	f
			containing more than 2.0	% sulfur.	10 CSR 10-5.110.	
			Otherwise, no coal or fuel oil shall be			
			burned that contains mo	re than 4.0%		
			sulfur.			
			(4) Rule states that it is u	nlawful to	McDonnell Douglas uses fu	el
			import, sell, use, consum		which contains less than 2.0	0%
			which is not from an app		sulfur year round.	
			which does not meet the			
			section (3) unless it is sh			
			emission of sulfur dioxid			
			2.3 lbs SO ₂ per million Bt	us of neat input.		
			Determination Mathed applies	II (the Endador I	Por TA	

Use FORM OP - D05 for any specific Compliance Determination Method applicable to the Emission Unit.

You must attach a completed FORM OP - E01 , "Compliance Plan/Status" if the Emission Unit is currently failing to meet any Applicable Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into compliance.

Facility Name McDonnell Douglas Corporation		4160	0010	Year Submitted 1997
a Requirements (federal, state and local regulations	plus any teoerally enforceat	ne permit conditions)	
Pollutant	Applicable Requirement Authority	Emission Limit or Standard and Units		Compliance Determination Method (Testing, Monitoring, etc.)
Sulfur	10 CSR 10-5.150 (2) and (3)	(2) For existing sources:		See compliance determination for
Compounds:	Emission of Certain Sulfur	SO ₂ emission limit = 2,000 ppmv.		10 CSR 10-6.260. Compliance
SO ₂ , H ₂ SO ₄ ,	Compounds Restricted	SO ₃ and/or H ₂ SO ₄ emission limit = 70 mg/m ³ .		with this rule satisfies all
SO ₃ , H ₂ S				requirements of 10 CSR 10-5.150.
		(2) For new sources:		
		SO ₂ emission limit = 500 ppmv.		
		SO ₃ and/or H ₂ SO ₄ emis	sion limit =35	
		mg/m³.		
		(3) Rule limits the emiss	sions of sulfur	Same compliance determination
		compounds (i.e., SO ₂ , H	I ₂ SO ₄ , SO ₃ , and	as with 10 CSR 10-6.260.
		H ₂ S) to the levels specif	fied in	
		10 CSR 10-6.010 Ambie	nt Air Quality	
		Standards.		
	Pollutant Sulfur Compounds:	Pollutant Sulfur Compounds: SO ₂ , H ₂ SO ₄ , Pouglas Corporation Applicable Requirement Authority 10 CSR 10-5.150 (2) and (3) Emission of Certain Sulfur Compounds Restricted	Pollutant Pollutant Sulfur Compounds: SO ₂ , H ₂ SO ₄ , SO ₃ , H ₂ S (2) For existing source SO ₂ emission limit = 2,0 SO ₃ and/or H ₂ SO ₄ emis (2) For new sources: SO ₂ emission limit = 50 SO ₃ and/or H ₂ SO ₄ emis (3) Rule limits the emission compounds (i.e., SO ₂ , H ₂ S) to the levels specific to CSR 10-6.010 Ambie	Pollutant Authority Emission of Certain Sulfur Compounds: SO ₂ , H ₂ SO ₄ , SO ₃ , H ₂ S SO ₃ and/or H ₂ SO ₄ emission limit = 500 ppmv. Compounds: SO ₃ , H ₂ S (2) For new sources: SO ₂ emission limit = 500 ppmv. SO ₃ and/or H ₂ SO ₄ emission sof sulfur compounds (i.e., SO ₂ , H ₂ SO ₄ , SO ₃ , and H ₂ S) to the levels specified in 10 CSR 10-6.010 Ambient Air Quality

MO 780-1519 (REV. April 11, 1996)

compliance.

Requirements, FORM OP- E01 delineates what provisions are not being met and what steps will be taken to bring the Unit back into